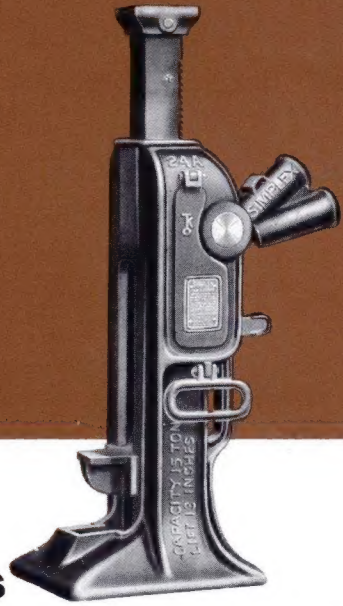


# SIMPLEX

## mechanical

# JACKS



- ratchet lowering lever jacks

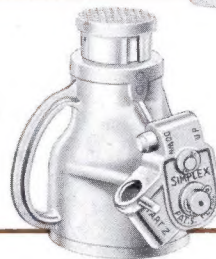
pages  
2M-5M

- track (trip) jacks



pages  
6M-7M

- journal (STANDARD SPEED)



and bridge jacks

pages  
8M-9M

- screw jacks



page  
11M



- push-and-pull jacks

pages  
12M-13M

(SEE INDEX ON BACK COVER)

**TEMPLETON, KENLY and COMPANY**  
BROADVIEW, ILLINOIS

This is the most complete line of industrial mechanical jacks and pullers.

For information on the complete line of Simplex Hydraulic Jacks and Pullers, request Hydraulic Catalog No. 60.



# SIMPLEX RATCHET LOWERING LEVER JACKS

## single acting / 10 MODELS, 5 TO 20 TONS CAPACITIES



84A

85A

86A

1017

A1022

22

### rugged, safe, efficient, dependable

FOR: Mill and factory maintenance, oil fields, shipyards, farms, machinery riggers, construction contractors, mining operations, bridge and railroad car repairs, and heavy-duty industrial maintenance.

These are the most versatile general-purpose jacks available. Rugged construction permits safe, efficient lifting, lowering, skidding, moving, sustaining and leveling with the important Simplex feature providing full lift capacity on the toe or on the cap. Double lever sockets permit angular lifting and operation in close quarters.



Typical single acting ratchet lowering mechanism. The load is raised by tooth by tooth.

when reversing lever is moved to up position. Load is lowered tooth by tooth when reversing lever is moved to down position. Jack cannot be tripped under load.

Jacks having a Speed Trigger can be instantly tripped when not under load.

### 12 superior features

- Vertical, multiple-toothed pawls for greater contact area with the rack bar.
- Drop-forged, alloy-steel, heat-treated operating parts for greater strength and to minimize wear.
- New adjustable spring links.
- Springs are cadmitum plated, corrosion resistant.
- Precision machining throughout.
- Large arched inner-ribbed base to insure a firm, rigid foundation.
- Every jack built and tested to lift full-rated capacity on the toe or on the cap.
- Integral trunnions—no fulcrum pins.
- Expansion rivets—no machine screws to loosen or become lost.
- Alloy forgings for maximum strength at minimum weight.
- Shorter fulcrum centers for easier lifting.
- New simplified side plates for easier maintenance.
- Awarded the only Gold Medal for the Safety of Jacks by the American Museum of Safety.

Individual repair parts lists and Service and Maintenance Instructions are available—please request them.

### 5 TONS CAPACITY--Nos. 84A, 85A, 86A

Ideal for moving machinery, re-railing mine locomotives, mine track work and for lifting or skidding mechanical mining and construction equipment. All have cap and grooved toe lift, safety Speed Trigger (can be instantly tripped only when there is no load on the jack) and double lever sockets. Toe minimum height is 1 5/8". 84A recommended for thin coal seam work; 86A for high lifts; 85A for average conditions.

Jack No.	Capacity Tons	Height Inches	Lift Inches	Steel Lever Furnished Inches	Weight Lbs.	Base Size Inches
84A	5	14	7	30	28	5x7 3/4
85A	5	17	10	30	30	5x7 3/4
86A	5	20	13	36	35	5x7 3/4

### 10 TONS CAPACITY--Nos. 22, 1017, A1022

22 and A1022 are used extensively with oil and drilling equipment, mining machinery and road building equipment and for railroad draft gear, bolster and coupler repairs. Recommended for all-around machinery maintenance service in all industries including street railways.

A1022, with aluminum alloy housing, 23 lbs. lighter. Has large lifting toe 2 1/2" x 3 1/4". 35% easier lifting than No. 22.

1017, with safety Speed Trigger, (can be instantly tripped only when not under load) is ideal for mine car and locomotive jacking.

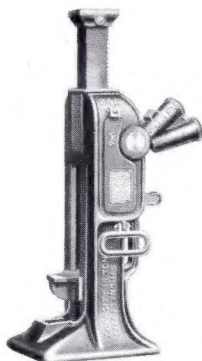
Jack No.	Capacity Tons	Height Inches	Lift Inches	Toe Min. Hgt. Inches	Steel Lever Furn. Inches	Weight Lbs.	Base Size Inches
22	10	21 1/4	12 1/2	2 7/8	60	65	6 1/2 x 10
1017	10	17	9 1/2	1 5/8	60	40	6 x 8 3/4
A1022	10	20 1/2	12	2	60	42	6 1/2 x 10 1/4

Oval sockets, oval hickory poles furnished when specified.





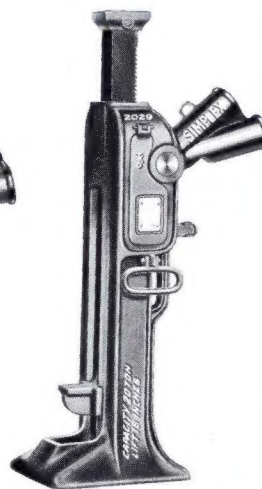
310A



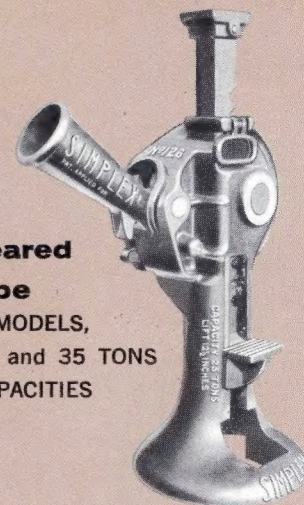
24A



29



2029



126

**geared  
type**  
3 MODELS,  
25 and 35 TONS  
CAPACITIES

### 15 TONS CAPACITY--Nos. 24A, 29, 310A

Recommended for empty railroad car repairs, riggers. 24A is the "huskiest". 29 designed for fast, high lifting. Both have 2½" toe minimum height.

#### Emergency Jack

310A Emergency Jack has 4-way lift power—on rotating cap, on auxiliary cap shoe (2 positions), on serrated toe and at any intermediate point by using chain as sling. Any chain link can be engaged in recessed cap. Pivots on base and has foot-operated, base-locking pawl. The standard in the oil fields and general industry, for fire departments, first aid in mills and factories and wherever heavy machinery is lifted, lowered or moved. For pole pulling and straightening — also see page 5M.

Jack No.	Capacity Tons	Height Inches	Lift Inches	Toe Min. Hgt. Inches	Weight Jack Only Lbs.	Weight Complete Lbs.	Base Size Inches
24A	15	23¼	13	2½	93	...	8 x 10¼
29	15	28¼	19	2½	99	...	8½ x 11¼
310A	15	22¼	13½	2¼	78	112*	8 x 11½

Nos. 24A and 29 furnished with 1¼" double round socket and 5-ft. tapered steel lever. Also available: oval or round socket with 6-ft. oval or round hickory lever pole; or square socket for your lining bars. Specify type desired.

\*Includes 5 ft. chain, auxiliary cap shoe and 5-ft. tapered steel lever.

### 20 TONS CAPACITY--No. 2029

For railway refrigerator and empty-car repairs, rigging, street railways, utilities and heavy construction jobs. Used in pairs in place of overhead cranes for loading heavy machinery and equipment. 2½" toe min. height. 27% easier lifting than the No. 29.

Jack No.	Capacity Tons	Height Inches	Lift Inches	Weight Lbs.	Base Size Inches
2029	20	28¼	18	104	8x11

No. 2029 furnished with 1¼" double round socket and 6-ft. steel lever. Also available oval or round socket with 6-ft. oval or round hickory lever pole; or square socket for your lining bars. Specify type desired.

### GEARED TYPE--25 and 35 TONS CAPACITIES

Powerful integrally-keyed gear-and-pinion mechanism makes heavy lifting fast and easy. 135 for refrigerator and loaded car repair is 35 ton capacity.

126 and 127 have large 3" x 3¾" right and left toe lifts respectively for operation in pairs. Used for trencher and power shovel repair, construction, oil field, tank erection, rigging and other heavy lifting.

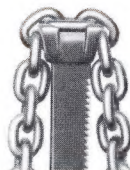
Jack No.	Capacity Tons	Height Inches	Lift Inches	Toe Min. Hgt. Inches	Weight Lbs.
126	25	27½	12½	3 (R. H.)	193
127	25	27½	12½	3 (L. H.)	193
135	35	27	16	....	215

Furnished with oval sockets and 6' oval hickory lever poles.

### EXTRA EQUIPMENT



**auxiliary shoe**—has broad 3" x 5" lifting face to avoid crushing timbers. Can be attached to Nos. 22, 29, 84A, 85A, 86A, and 1017. A shoe 4" x 5" can be attached to Nos. 24A, 29 and 2029.

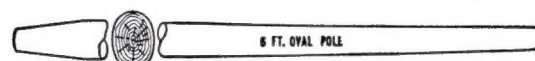


**non-rotating chain caps**—can be furnished as follows: for ¼" BBB chain on Nos. 84A, 85A and 86A; for ½" BBB chain on No. 22; for ⅝" BBB chain on No. 24A. Cap and chain prices on application.

### LEVER RECOMMENDATIONS



For industrial purposes—  
steel pinch bars (5' and 6' are tapered)



For railway car repairs—  
oval hickory poles (cannot be inserted cross grain)



**wedge**—often used to lift heavy load sufficiently to engage toe lift. Approximate height 2½".

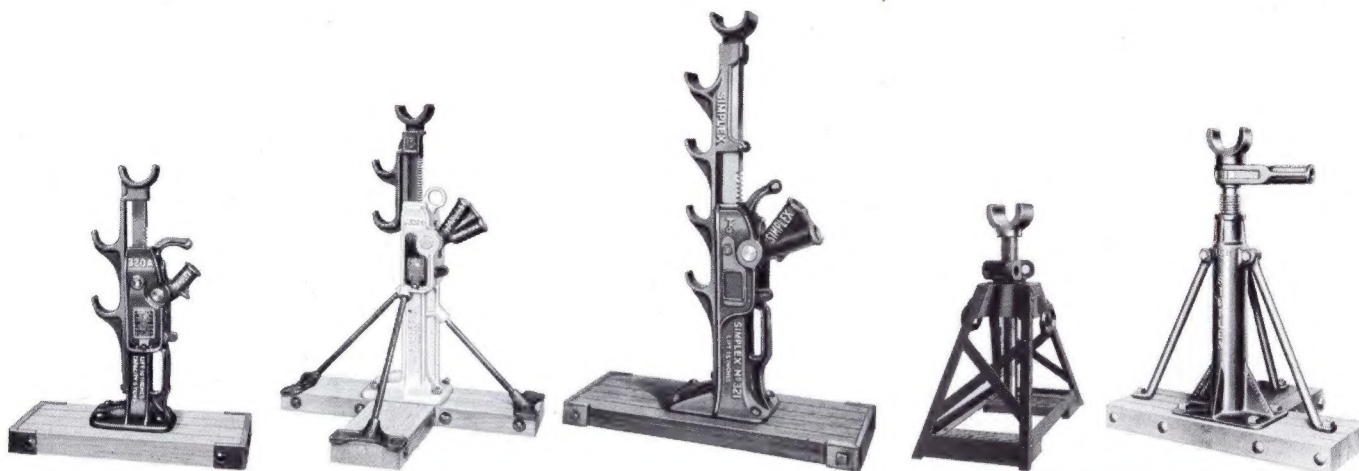


# SIMPLEX REEL JACKS

ratchet lowering lever and screw types

6 MODELS

5 TO 15 TONS CAPACITIES



320A

A1029

321

1CR & 2CR

3CR

## safe handling of all size reels

FOR: public and private utilities; belting, rope, wire and wire rope makers and warehouses for lifting reels from 20" to 96" diameter.

### RATCHET LOWERING LEVER TYPES Single Acting--Nos. 320A, 321, A1029

Equipped with laminated, oil-treated oak bases for protection against weather.

**320A**—Handles reels from 20" to 60" diameter. 3 lifting hooks at three levels—9½", 15½" and 21". Top hook for 2½" spindles; other two for 2" spindles.

**321**—For reels from 20" to 96" diameter. 5 lifting hooks at five levels—9", 15¼", 21¾", 28" and 39". Top hook for 3½" spindles, second from top for 3" spindles, other three for 2½" spindles.

**A1029**—Modern design, lightweight aluminum housing reduces weight 21 pounds. Firm "T" base has three adjustable steel rods for non-rocking foundation—recommended for outside work. Cap swivels. Furnished with right and left-hand bases so that operators may lift and lower in unison. Handles reels from 36" to 84" diameter. 3 lifting hooks at three levels—17", 23" and 29". Top hook for 3" spindles, other two for 2½" spindles.

Jack No.	Capacity Tons	Height Inches	Lift Inches	Weight Lbs. Each	Steel Lever Furnished Inches
320A	5	21	10	51	30
321	10	34¾	15	114	60
*A1029	10	29½	13¾	86	60

\*Pairs furnished with right and left hand bases.

### MANHOLE SHEAVE--No. 220



Used on truck end and over manhole top with snatch block in manhole—eliminates skids. Handles up to 3" cable or any size winch line. 2' long, ¼" chain supplied with hook for anchoring or protection when winch line is released suddenly.

Large Sheave		Small Sheave		Weight Lbs.
Diameter Inches	Width Inches	Diameter Inches	Width Inches	
7¾	3	4¾	3	110

### SCREW TYPES--Nos. 1CR, 2CR, 3CR

**1CR, 2CR**—"A" Frame Base. For low cost reel handling. 1CR from 40" to 60"; 2CR from 60" to 92" diameter reels. Both have caps for 2¼" spindles. Easy operation and 3-way speed nut.

**3CR**—For heavy-duty field use. Handles 50" to 84" reels. Braced "T"-base. Ratchet head socket for speed adjustment. Cap takes 2¼" spindle.

Jack No.	Capacity Tons	Height Inches	Lift Inches	Weight Lbs. Each	Steel Lever Furnished Inches
1CR	5	19¾	13¾	62	..
2CR	5	30½	18	88	..
3CR	15	25½	17½	75	42

### CABLE AND WIRE TENSIONING JACK No. 324

FOR: tensioning cable and wire in public and private utility maintenance and construction.

20¼" travel, light, powerful. Pulls overhead and underground cable. Takes up slack in trolley, guy and transport wires. Speed trigger for instant slack take-up when not under load. Non-flexible rack bar. Steel lever held with safety spring clip.

**Extra Equipment**—For bare-wire tensioning—2 grips and 2 slings. For splicing—2 double-eye split cable grips, 2 three-bolt clamps and 2 slings. Consult your Line Material catalog for this equipment.



Jack No.	Capacity Tons	Travel Inches	Weight Lbs.
324	2	20¼	17



# SIMPLEX POLE PULLING, STRAIGHTENING JACKS

single acting, ratchet lowering lever type

3 MODELS  
5 & 15 TONS CAPACITIES



325 WITH PIKE POLE



A1538



Cable hook for pulling poles with cable or wire rope—fits into chain nest. Price on application.

CABLE HOOK

## pull or straighten any size pole without digging

FOR: telephone, telegraph, light, power, railroad and street railway companies

Rugged, efficient. Save man-hours and "out of service" time in pole line maintenance. Only one or two men needed, with no service stop or digging, regardless of pole size or depth in ground.

### 5 TONS CAPACITY -- No. 325

Handles poles up to 30'. Pivots on steel channel base to any angle. Serves as guy tightener and underground cable puller. Supplied with 8' pike pole for ditch locations. Ideal for rural work.

### 15 TONS CAPACITY -- Nos. 1538, A1538

1538—Standard of Bell System "I" beam sub-base for firm foundation; pivots on base by disengaging base pawl. Chain is alloy steel.

A1538—Lightweight aluminum housing. All parts interchangeable with 1538. Same basic features as 1538.

Cable hook available separately for pulling with cable or wire rope—fits into chain nest. Ask for details.

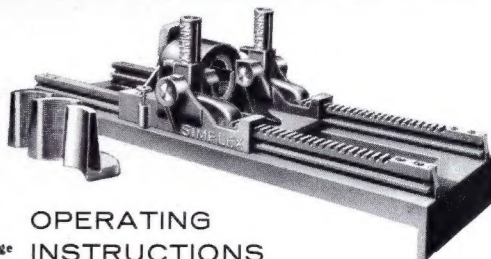
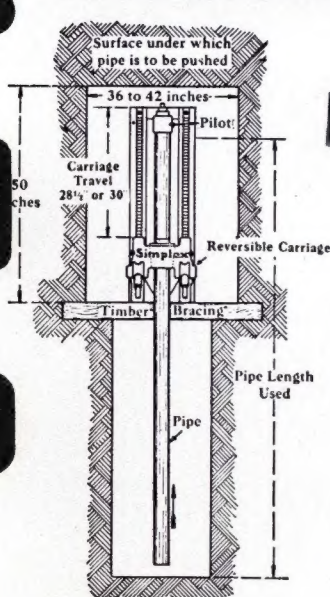
Jack No.	Capacity Tons	Height Inches	Lift Inches	Weight Jack Only Lbs.	Weight Complete Lbs.
*325	5	50	36	34	98
**1538	15	37 $\frac{3}{4}$	22	101	185
**A1538	15	37 $\frac{3}{4}$	22	62	145

\*Equipped with 5' steel pinch lever bar, tapered and heat-treated, 5' steel chain, an 8" x 15" steel channel base; and 8' pike pole of seamless tubing. Pole has malleable iron forked cap for biting into wood on pole straightening jobs.

\*\*Equipped with 7' heat-treated alloy steel chain with pear-shaped link, "I" beam sub-base 10" x 20" with hand hole, and 5' steel lever bar, tapered and heat-treated.

Also See 310A on Page 3M.

### PIPE PUSHING AND PULLING JACK -- 25 TONS CAPACITY No. R334A



## OPERATING INSTRUCTIONS

Dig trench approximately 8" below center of pipe to be pushed. Use 3 sticks or sighting rods of equal length to sight direction and depth of pipe travel. After pipe is pushed full length of carriage travel, remove lever bars, disengage pawls, loosen driving jaw and reset. For average soil, we recommend 1" pipe for 25'; 2" for 50'; 3" for 75'; 4" for 100'. Not practical in dry sand.

Powerful, accurate, economical. Reversible carriage eliminates reversing track when pulling. Designed for longer pipe lengths which saves threading and coupling. Tapered steel jaws go completely around pipe—no crushing or flattening. Double levers and extensions for operating singly, alternately, or in unison on double tracks.

R334A—For 2" to 4" pipe. Adapter sleeve (334-4B) available at extra cost for pushing  $\frac{3}{4}$ " to 2" pipe. Jaws and pilots,  $\frac{3}{4}$ ", 1", 1 $\frac{1}{4}$ ", 1 $\frac{1}{2}$ " and 2" sizes, also available—list separately when ordering. For Hydraulic rams and hand or motorized pumps for pipe and culvert pushing see Hydraulic Catalog No. 60.

Jack No.	Capacity Tons	Travel Inches	Weight Complete Lbs.	Weight Jack Only Lbs.
R334A	25	28 $\frac{1}{2}$	321	225

EQUIPMENT INCLUDES: One set tapered jaws and one pilot for single diameter pipe, two 3 $\frac{1}{2}$ ' steel lever bars and two steel pipes for extending levers. Specify size of jaws and pilot required.

OPTIONAL EQUIPMENT: Prices on application.

Extra Jaws—for R334A: 2", 2 $\frac{1}{2}$ ", 3", 3 $\frac{1}{2}$ ", or 4"

Extra Pilots—for R334A: 2", 2 $\frac{1}{2}$ ", 3", 3 $\frac{1}{2}$ ", or 4"



# SIMPLEX TRACK (OR TRIP) JACKS

single acting / 11 MODELS • 5" TO 19" LIFT • CAPACITY 15 TONS



FOR: all track work. Not recommended for industrial use because of trip feature, except for spur track construction and maintenance.

Strong and safe for fast, easy track lifting and lining. Tested for full capacity on toe. Non-slip toe grooves for lining without digging jack holes. Safe operation at any angle provided by rust-proof tension spring directly back of lifting and retaining pawls. Jacks trip by engaging lifting pawl in retaining pawl and completing down stroke of lever. Thumb guards and trips on both sides for extra safety.

Furnished with square lever sockets and without lining bars. Oval or round sockets and 5' oval or 4 1/2' round hickory poles to fit are available at extra charge.

## TIE REMOVER and TIE REPLACER--Nos. 80B, 82

Two units. Each tool consists of jacking mechanism which, when hooked to rail, exerts pushing power through long-toothed rack bar. Speedy, safe, reduces fatigue; less ballast handling.

No.	Description	Length	Travel	Weight Lbs.
80B	TIE REMOVER	91 1/2"	80 1/2"	62
82	TIE REPLACER	116"	86"	58

**Tie Remover**—4-step operation. (1) remove tie plates. (2) Loosen ballast at both ends. (3) Attach rail bracket under rail. (4) Hook Tie Remover to rail bracket and jack out tie.

**Tie Replacer**—Place new tie partly under rail in cavity left by old tie. Place hook on rack bar over rail and push new tie in place by jacking Tie Replacer housing along rack bar. (Inset shows roller for moving unit along rail top.)



## ALUMINUM HOUSING--Nos. A5, A5B, A8, A17P, A17

Lightweight aluminum alloy housings. 2 1/2" x 3 1/4" grooved toe lift for better contact with rail or tie. A5 and A5B for surfacing and lining. For changing tie plates, nipping and use with modern track maintenance equipment. The A8 eliminates the need for both high and low jacks. Note that the fulcrum center of the A8 is 3" higher than the 5" lift jacks. Heavy-duty horn handles. A5B has bale handle. A17 and A17P for high lift work. A17P has stop pin, but no cap. (2 1/2 pounds lighter than A17.)

You will get greater productivity with these jacks.

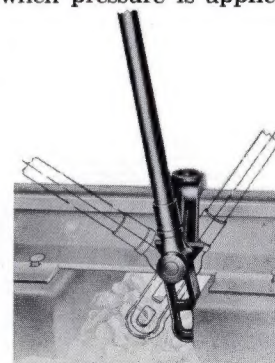
Jack No.	Capacity Tons	Height Inches	Lift Inches	Toe Min. Hgt. Inches	Toe Lift Area, Inches	Weight Lbs.
A5	15	11	5 1/4	2"	2 1/2 x 3 1/4	28
A5B	15	11	5 1/4	2"	2 1/2 x 3 1/4	29
A8	15	15 5/8	7 3/4	2"	2 1/2 x 3 1/4	34
A17	15	22 5/8	13	2"	2 1/2 x 3 1/4	41 1/2
A17P	15	20 1/2	13	2"	2 1/2 x 3 1/4	39

## TIE SPACER--MODEL GY

Saves ties from being sledged; reduces spacing and straightening time. Easily and quickly applied—instantly removed from the rail by tilting bracket. Can be moved from tie to tie by sliding along ball of rail—(bracket holds to ball of rail when pressure is applied to the lever extension). Ties easily moved into place when ballast is loosened or track raised "out of face". Tie Spacer also serves for "pumping rail." Handle or tie lever extension is 51". [Note "Safety Stops".]

Proper fit requires complete description of rail—for example: 100 lb. AREA, 12722, etc.

G Y Tie Spacer. Weight: 26 Lbs.







A17P

A17

217P

217C

218

101

#### MALLEABLE HOUSING--Nos. 15A, 16A, 216A, 217C, 217P, 218

15A identical to A5 except malleable housing. 16A has 6" lift and large grooved lifting toe (only 1½" high)—½" to ⅝" lower than any other track jack. Make-ready is minimized because less ballast need be removed and jack is driven into position easily.

217C and 217P have same large grooved toe features as 16A. 217P has stop pin, but no cap.

Interchangeable parts, A5, A5B, A8, 15A, 16A, A17, A17P, 216A, 217C, 217P, (except housings and rack bars).

Jack No.	Capacity Tons	Height Inches	Lift Inches	Toe Min. Hgt. Inches	Toe Lift Area, Inches	Weight Lbs.
15A	15	11	5⅞	2"	2½x3¼	42
16A	15	12	6	1½"	2½x3¼	48
216A	15	17¾	8	2⅞"	2½x1½	51
217C	15	22⅝	13	1½"	2½x3¼	63
217P	15	20½	13	1½"	2½x3¼	61
218	15	29	19	2⅞"	2½x1½	76

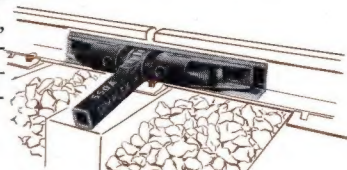
#### Double-Acting Track Jack--No. 101

Lifts on both the up and down stroke of the lever. Safety trip (no lug on lever socket) eliminates accidental tripping.

101	15	22¾	13	2¼"	2½x1½	66
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#### RAIL PULLER and EXPANDER--No. 550A

With this tool, one man replaces a rail pounding crew. No service interruption; no battered rail ends, bolts, or crossings. Saves time and material on crossing and switch lining, renewing insulated joints and end posts, pushing or pulling continuous rail lengths, or controlling expansion and contraction.



See Rail Dolly (Right)—a useful companion tool.

Jack No.*	Capacity Tons	Dia. of Screw Inches	Travel—Inches†	Dia. of Studs Inches‡	Weight Lbs.
550A	30	2¼	4½ to 8	⅞, 1, 1⅛, 1⅜ or 1¼	87

\*Complete with U-bar, two washer plates and nut wrench. U-bar fits any rail measuring 3¼" or more under ball of rail to flange at top of web—special bars available for smaller rail. Proper deduction will be made if U-bar is not required.

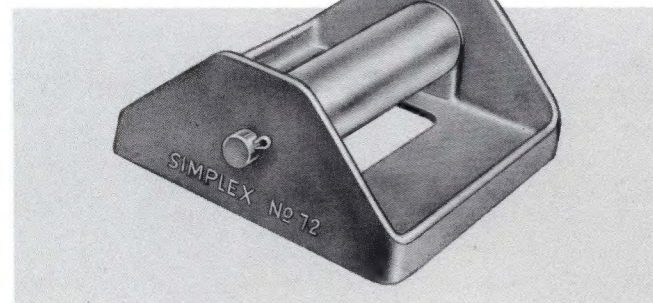
†Depending on rail drillings. ‡Studs are 1/64" undersize.

Specify stud diameter to fit your rail drilling.

Largest possible diameter is insurance against breakage.

#### RAIL DOLLY--No. 72

Generally used in pairs. Heavy-duty roller and low stand handles heaviest of bumping rail—makes accurate bumping possible with fewer men. Cuts damage to rail ends. Side guides prevent rail from slipping off; cleats on stand base give firm anchorage. Length, 8½"; width, 8"; weight, 16 lbs; Roller dia. 2". (Rail Puller and Expander (left) prevents rail from returning to original position after bumping.)





# SIMPLEX STANDARD SPEED JOURNAL AND BRIDGE JACKS

## bevel geared / 8 MODELS • 15 TO 50 TONS CAPACITIES

Cross section showing  
bevel gear construction

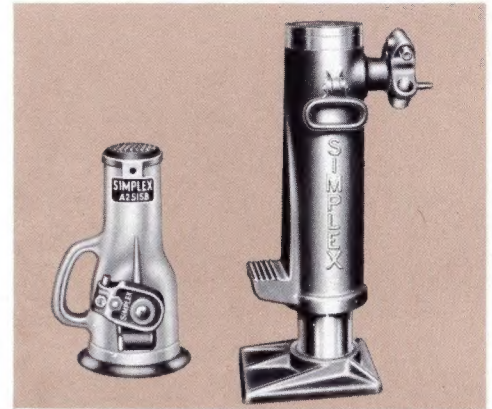
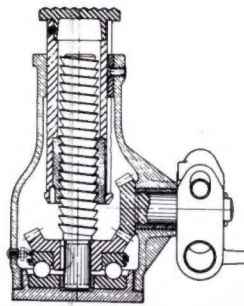


1510A

2510B

3510B

5010A



A2515B

2522

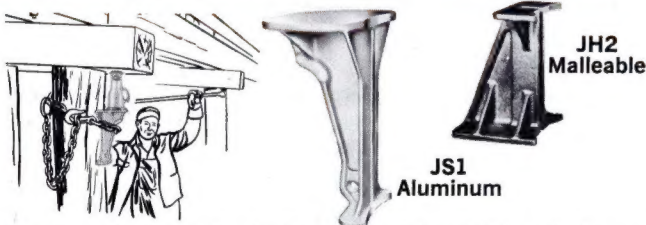
### powerful, light, low height

FOR: Inspecting and renewing journal brasses; bridge, tank and structural steel erectors; shipbuilding—and all industries where powerful, all-position jacks are required.

Heat-treated, alloy-steel forgings, bronze nuts, ball bearings, positive shoulder stops and high gear ratios. Ratchet mechanisms, (except 1510A) fully enclosed—dust and dirt-proof. Grease added thru plug without base removal. Use Standard VIS LUBE #3 grease, or equal. [A2510B and A3510B have light-weight aluminum housings.] No. 5010A has tapered roller bearing.

Jack No.	Capacity Tons	Height Inches	Lift Inches	Weight Lbs.	Steel Lever Furnished Inches	Base Dia. Inches
1510A	15	10	5	28	7/8x30	5 1/6
2510B	25	10	5	38	1 x36	5 1/2
A2510B	25	10	5	30	1 x36	5 1/2
3510B	35	10	5	41	1 x36	5 1/2
A3510B	35	10	5	32	1 x36	5 1/2
5010A	50	10	4	75	1 1/8x56	7 1/4

### JACK SUPPORT and JACK HITCH--Nos. JS1, JH2



Used as platform for jack when raising bridge decks and caps. Inverted, they pull or straighten any size wood or steel poles. Use with proper jack and chain units. Easy to place. Ideal for high scaffolds. The JH2 is recommended for pulling all types of steel and wood fence posts.

No.	Item	Height	Weight	Platform
JS1	Aluminum Jack Support	15"	9 1/2 lbs.	8"x10"
JH2	Malleable Jack Hitch, includes Holding Block and 3' of 1/4" BBB Chain with grab hook.	7"	12 3/4 lbs.	5"x5"
JH2-2	Holding Block	These items can be ordered separately as needed		
JH2-3	3' chain 1/4" BBB with Grab Hook			

### BRIDGE JACKS--25 TONS CAPACITY

**2522:** for heavy duty rigging and structural jobs. Standard speed jacks will hold the load indefinitely without settlement. Toe minimum height is 4 3/8".

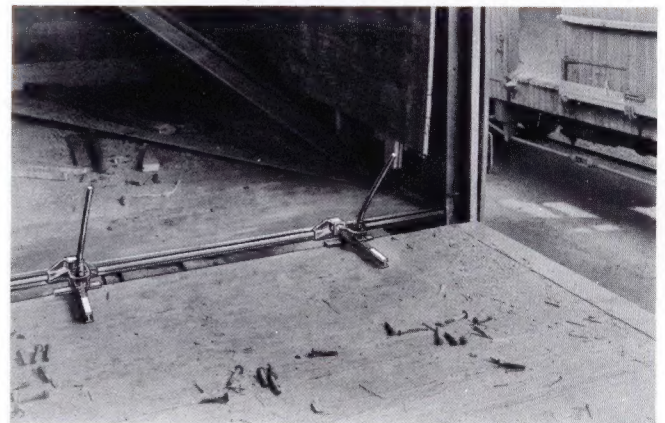
**A2515B:** similar to A2510B Journal Jack. Aluminum housing. 9" lift eliminates resetting on bridges. Only 42 lbs. wt.

Jack No.	Capacity Tons	Height Inches	Lift Inches	Weight Lbs.	Steel Lever Furnished Inches	Base Size Inches
A2515B	25	15	9	42	36	7 1/2 dia.
2522	25	22	10 1/4	135	36	8x9 1/4

### CAR SIDING AND FLOORING JACK

### double acting / 2 TONS CAPACITY

FOR: railroad car manufacturers and car shops—on car siding and flooring jobs in production assembly and repairs.



Ratchet lowering. Light, fast, powerful. Grooved base and toe eliminates siding and decking damage.

Jack No.	Capacity Tons	Height Inches	Travel Inches	Weight Lbs.
46	2	23	13 1/2	18



## SIMPLEX BRIDGE JACK / ratchet lowering lever / 15 TONS CAPACITY



310



TWO BASE WIDTHS  
3 3/4" or 5"



### single acting

FOR: lining, shimming, painting, replacing timber decks, pulling bolts.

Similar to 310A (shown on page 3M) except supplied with base in choice of two widths—3 3/4" or 5"—which permits use between ties on trestles. Equipped with 5' chain with grab hook and bolt puller on opposite ends for pulling 1/2" to 7/8" headed bolts.

Jack No.	Capacity Tons	Height Inches	Lift Inches	Toe Min. Hgt. Inches	Weight Jack Only Lbs.	Weight Complete* Lbs.
310	15	22 3/4	13	2 1/4	66	98

\*Includes steel lever and 5' of 1/2" BBB chain with grab hook and bolt puller attachment.

## SIMPLEX COMBINATION JACK / ratchet lowering and tripping / 15 TONS CAPACITY



10

### double acting

FOR: track maintenance, construction; coupler and car repairs

The No. 10 is a double acting Jack and is tripped by hooking the trip lever over the short pawl and completing the down-stroke of the lever.

Tooth-by-tooth raising or lowering is controlled by the spring link knob under the horn handle.

Jack No.	Capacity Tons	Height Inches	Lift Inches	Toe Min. Hgt. Inches	Weight Lbs.
10	15	22 3/4	13	2 1/4	66

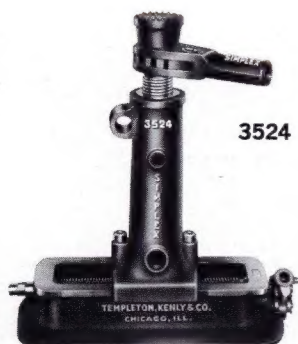
Furnished with square lever sockets and without lining bars. Oval or round sockets and 5' oval or 4 1/2' round hickory poles to fit are available at extra charge.

## TRAVERSING BASE BALL BEARING SCREW JACKS

3 MODELS · 10, 25 AND 35 TONS CAPACITIES

### ratchet operating

FOR: re-railing cars, locomotives, positioning transformers, rigging and wherever horizontal movement and lifting are required.



3524



4 SIZES  
Nos. 602, 572A, 575A  
5018

Generally used in pairs. Base ratcheting socket mechanism can be applied to either end of screw. Screw bushings are nickel bronze; base and housings are malleable iron. Safety peephole prevents over-extension of screw. Heat-treated steel lever supplied—one end fits jack lever socket; other end fits base lever socket.

Jack No.	Capacity Tons	Height With Base Inches	Lift Inches	Horizontal Travel Inches	Steel Lever Furn. Inches	Jack Weight Lbs.
1060	10	18	8	10	36	75
2572	25	18	7	12	72	106
3524	35	24	11 1/2	12	72	137

### traversing bases

For all types of jacks. Screw-propelled plate may be drilled to conform to jack used. Accurately-machined, nickel-bronze screw bearings. Ratchet socket mechanism fits either end of base. Heavier duty units to your specifications.

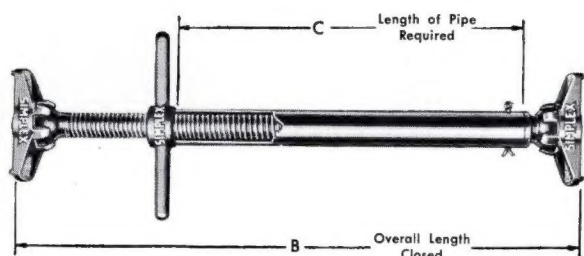
Base No.	Capacity Tons	Height Inches	Horizontal Travel Inches	Steel Lever Furn. Inches	Size of Plate Inches	Weight Lbs.
572A	50	5	12	30	8x10	90
575A	50	5	12	30	10x12	97
*5018	50	3 3/4	18	30	10x12	85
602	35	3 3/8	10	30	7x 9	50

\*Horizontal travel can be furnished to your specification on this model only.



## SIMPLEX TRENCH BRACES

drop-forged steel



### 3-WAY NUT FOR TRENCH AND TIMBER BRACES

Used in close quarters where lever nut cannot be used to advantage. Three holes for round steel lever. [No extra charge — if specified in place of lever nut.]

FOR: protection against cave-ins and costly re-digging in construction and utility maintenance.

Safe, efficient, economical. The only braces constructed entirely of steel drop-forgings. Blunt safety-lever nut prevents injuries and damage. Ball-and-socket joints, plus lugs at each end, insure quick adjustment and tight grip at all angles. Nailing holes—both ends. Use pipe sleeve to adapt brace to any width trench.

### complete with pipe

Pipe and Screw Diam. Inches	Length of Screw Inches	"B" Length of Brace Closed Inches	"C" Length of Pipe Inches	Safe Extension of Screw Inches	Unit Weight with Pipe Lbs.
1½	12	18	10½	7	14
1½	14	21	13½	9	16
1½	14	24	16½	9	16½
1½	16	27	19½	10	18
1½	16	30	22½	10	18½
2	18	36	26	10	40
2	18	42	32	10	42
2	18	48	38	10	43½
2	18	54	44	10	45½
2	18	60	50	10	47

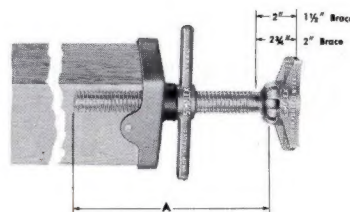
### without pipe

Screw Diam. Inches	Length of Screw Inches	Safe Extension of Screw Inches	Unit Weight Lbs.
1½	12	7	12
1½	14	9	12½
1½	16	10	13¼
2	18	10	32¼

Screw Ends only and Socket Butts only are available separately

## SIMPLEX TIMBER BRACES

drop-forged steel

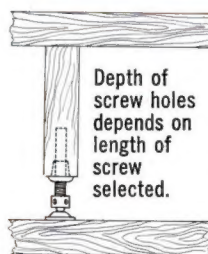


FOR: wide and deep trenches, foundation and subway work

Diameter of Screw Inches	"A" Length of Screw Inches	Size of Timber Caps	Unit Weight Lbs.
1½	12	4x4	10
1½	12	6x6	12¾
1½	14	4x4	10½
1½	14	6x6	13
1½	16	4x4	11
1½	16	6x6	14
2	18	6x6	27½
2	18	8x8	28½

Screw ends are same as on Simplex Trench Braces. Timbers not furnished.

## SHORING JACKS--FORGED STEEL



### 25-TON SERIES

A 10° tapered hole, 3¼" diameter is drilled 3½" deep. Screw holes 2¼" diameter.

### 35-TON SERIES

A 10° tapered hole, 3¼" diameter is drilled 4" deep. Screw holes are 2¼" diameter.

Machine cut screw, semi-steel nut and steel bearing plate provide maximum

safety in shoring, tunnel roof support, timbering, aqueduct work. Also for use as temporary columns. Furnished with nuts and bearing plates. Special nuts and plates can be made to your specifications.

Jack No.	Screw Diameter Inches	Threaded Length Inches	Sustaining Capacity Tons	Overall Height Inches Incl. Plate	Weight Lbs.
501	2	10	25	14	24
501	2	12	25	16	26
501	2	14	25	18	28
502	2½	8	35	12¾	52
502	2½	12	35	16¾	56
502	2½	14	35	18¾	58
502	2½	16	35	20¾	60
502	2½	18	35	22¾	62

### steel plates

Part No.	Screw Diameter Inches	Size Inches	Thickness Inches
501-4	2	6x6	5/8
502-4	2½	8x8	3/4



# SIMPLEX SCREW JACKS

## four-way and ratchet head types

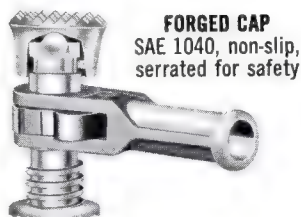
FOR: contractors, shop and factory maintenance, riggers, locomotive repairs, drillers and farms

Non-flattening, large, chrome-moly ball floats cap; centers load automatically and reduces friction 88%. Malleable housings painted a different color for each capacity. Chisel-pointed, high-carbon, heat-treated steel pinch bars furnished at extra cost when specified. Corrugated, drop-forged steel cap with self-leveling 9° float. Ball-bearing construction and rugged lever bar assure full lift capacity and eliminate twist-out from under load. (For smaller sizes see Planer or Machinists' Jacks below.)



4-WAY  
HEAD

RATCHET  
HEAD



**SINGLE CHROME-MOLY BALL**  
Floats cap, centers load,  
cuts friction 88%.

**MALLEABLE IRON HOUSING**  
Capacity color-coded, flared  
for stability, rugged malleable  
construction. Prevents breakage  
from rough handling.

**SAFETY PEEP-HOLE**  
Eliminates measuring and  
prevents over-extension.

### PLANER OR MACHINISTS' JACKS

For Tool Room and Shop Use



For leveling work on planer beds, millers and other machines. Side locking screw prevents lowering due to vibration. Base notched for fastening to bed. Ball and socket swivel cap.

Jack No.	Sustaining Capacity Tons	Height Inches	Lift Inches	Weight Lbs.
1P	2	2 3/4	1	1 1/2
2P	4	3 3/4	1 1/2	3
3P	6	5 1/4	2 1/4	6
4P	8	7 1/2	4 1/2	12

### FOUR WAY HEAD—19 MODELS \* 10 TO 24 TONS

#### SIZES BASED ON HOUSING HEIGHT

Size Inches	Height When Closed Inches	Operable Rise of Screw Inches	Lifting Capacity Tons*	Weight of Jack Lbs.	Dia. Lever Required
1 1/4 x 6	9 1/4	4	10	9	1 1/8 x 24"
1 1/2 x 4	7 5/8	2	12	9 1/2	1 3/8 x 24"
1 1/2 x 6	9 5/8	3 3/4	12	10	1 3/8 x 24"
1 1/2 x 8	11 5/8	5 3/4	12	12	1 3/8 x 24"
1 1/2 x 10	13 5/8	7 3/4	12	14	1 3/8 x 24"
1 1/2 x 12	15 5/8	9 3/4	12	16	1 3/8 x 24"
1 3/4 x 8	11 3/4	5 1/4	16	15	7/8 x 30"
1 3/4 x 10	13 3/4	7 1/4	16	18	7/8 x 30"
1 3/4 x 12	15 3/4	9 1/4	16	20	7/8 x 30"
2 x 6	9 3/4	3	20	15	7/8 x 36"
2 x 8	11 3/4	5	20	17	7/8 x 36"
2 x 10	13 3/4	7	20	20	7/8 x 36"
2 x 12	15 3/4	9	20	24	7/8 x 36"
2 x 14	17 3/4	11	20	27	7/8 x 36"
2 1/2 x 8	13	4 1/4	24	28	1 1/8 x 42"
2 1/2 x 12	17	8 1/4	24	37	1 1/8 x 42"
2 1/2 x 14	19	10 1/4	24	40	1 1/8 x 42"
2 1/2 x 16	21	12 1/4	24	48	1 1/8 x 42"
2 1/2 x 18	23	14 1/4	24	52	1 1/8 x 42"

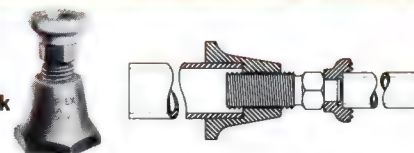
### RATCHET HEAD—10 MODELS \* 20 TO 24 TONS

Size Inches	Height When Closed Inches	Operable Rise of Screw Inches	Lifting Capacity Tons*	Weight of Jack Lbs.	Dia. Lever Required
2 x 6	9 5/8	3	20	20	1 1/8 x 42"
2 x 8	11 5/8	5	20	22	1 1/8 x 42"
2 x 10	13 5/8	7	20	25	1 1/8 x 42"
2 x 12	15 5/8	9	20	28	1 1/8 x 42"
2 x 14	17 5/8	11	20	31	1 1/8 x 42"
2 1/2 x 8	12 5/8	4 1/4	24	34	1 1/8 x 42"
2 1/2 x 12	16 5/8	8 1/4	24	41	1 1/8 x 42"
2 1/2 x 14	18 5/8	10 1/4	24	46	1 1/8 x 42"
2 1/2 x 16	20 5/8	12 1/4	24	54	1 1/8 x 42"
2 1/2 x 18	22 5/8	14 1/4	24	58	1 1/8 x 42"

\* The lifting capacities are guaranteed.

### SPREADER JACK--No. 3A

For close quarter work



Small, sturdy and powerful. Serrated cap rotates but does not pivot. The Jack is 3" overall when closed and is easily extended by fitting 1" pipe in the well of the base and 1/2" pipe in the cap well. [See sketch.]

For adjusting work on surface plate.

Jack No.	Sustaining Capacity Tons	Height Inches	Lift Inches	Weight Lbs.
3A	3	3	1	1 1/4

NOTE: The 3A Jack is furnished as a part of the complete Util-A-Tool Set. See page 12M.



# SIMPLEX UTIL-A-TOOL SET

**pushes, pulls, bends, spreads, clamps, holds,  
lifts, lowers, pulls wheels and gears**

FOR: maintenance, repair and production work in all types of shops and factories—a real asset in the shop and a necessity for field repairs.



## "THE TOOL OF A THOUSAND USES"

The Util-A-Tool saves time and work—cuts costs on countless jobs. Easy to set up and use, it—

**Pushes**—On the drop forged steel corrugated nut ends or on 1½" standard pipe inserted in the deep wells of the nuts. (10 tons).

**Pulls**—Using two of the chains with the drop forged alloy steel sky hooks which center the pull and are inserted in the nut holes. Each chain has grab claw on one end; grab hook on other for pulling structural members, bulged car and truck sides, car doors or other frozen or wedged members; also for pulling machinery on skids. (5 tons).

**Spreads**—On corrugated spreading lugs. No. 3A Spreader Jack (which is part of the Util-A-Tool set) also serves for close-quarter work as it is 3" closed, extends 1" and can be extended any length by inserting 1" pipe in base or ½" pipe in cap well.

**Clamps and holds parts**—For welding or assembly on the corrugated clamping lugs; serves as handy beam clamp

Complete Util-A-Tool set includes—

1 Push-and-Pull Jack—

3 chains (½"x40") with forged steel  
Grab Hooks and Claws

Forged Chisel-Pointed Lever Bar— ¾"x18"

No. 3A Spreader Jack—

Three-Way Base and Wheel Puller

2 Sky Hooks

Heavy-Duty Tool Box—18"x8"x8" (not shown)

[Simplex Stud links available at extra charge]

for chain hoists with use of sky hooks. Nuts are reversible. Straightens structural or pressed steel members; holds down portable machines. (2½ tons.)

**Lifts and lowers**—When 3-way drop forged base is snapped on. Machines, construction equipment, beams and other heavy objects can be raised, lowered or supported.

**Universal Wheel Puller**—Pulls spoked or solid center wheels and gears by attaching the 3-way chain base, centering the live center in the shaft after removing the nut at that end and connecting the three chains with the base and object to be pulled. Also pulls pinions and bushings.

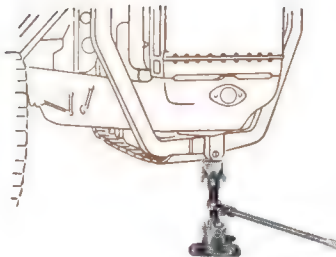
[Also see Hydraulic Pullers in Hydraulic Catalog No. 60.]

Util-A-Tool Set No.	Length Screw Inches	Screw Travel Inches	*Weight —lbs. Jack Only	Code, Jack Only	Code, Set Complete
610	10	4¾	13	Puraj	Faoxq
612	12	6¾	14	Pural	Fabyq
614	14	8¾	15	Puran	Fadzq
616	16	10¾	16	Purap	Fafqx
618	18	12¾	17	Purar	Fahqy
620	20	14¾	18	Puras	Fboqy

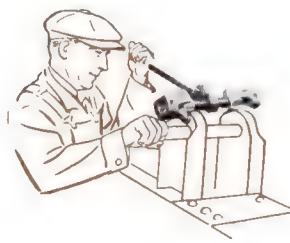
\* Complete Util-A-Tool Set with No. 610 weighs 78 lbs. Add 1 lb. for each size larger.



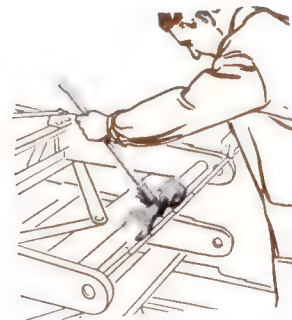
PULLS



LIFTS



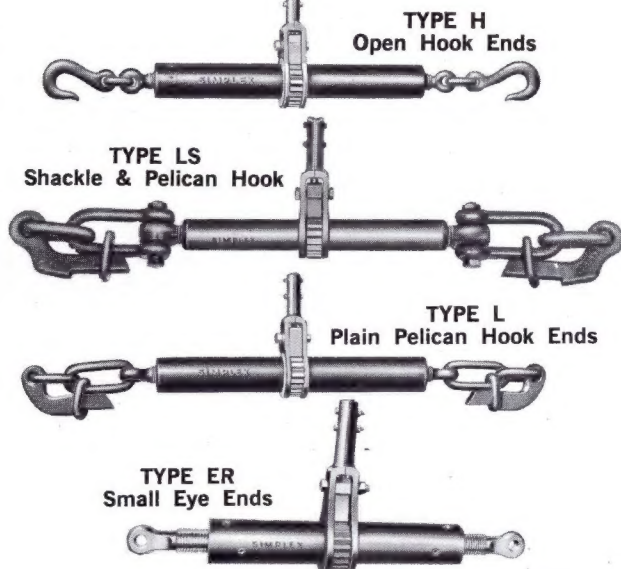
CLAMPS



PUSHES



# SIMPLEX STEAMBOAT RATCHET and PUSH-AND-PULL JACKS



All have lever extension as per type "H"

## FOUR TYPES OF ENDS--8 TO 20 TONS CAPACITIES

For use on coffer dams, for wharf and bridge construction, concrete and steel construction requiring false work or framing. Use as hitching tow; as guy hold-down; to tie pilings and bents; to bind heavy loads.

Spring-operated plunger firmly engages pawl or dog with ratchet wheel, insuring safety. Reversing the jack immediately slackens cables, rope or chain. Any combination of hooks, including shackles, can be furnished. All models available with plain stub ends for welding special holding devices.

Jack No.	Type	Sustaining Capacity Tons	Barrel Length Inches	Diameter Screw Inches	Travel Inches	I. D. of Eye Inches	Weight Lbs.
L2	L	8	24 $\frac{5}{8}$	1 $\frac{1}{2}$	20	1	48
L5	L	15	24 $\frac{5}{8}$	1 $\frac{3}{4}$	20	1 $\frac{3}{8}$	83
L7	L	15	36 $\frac{5}{8}$	1 $\frac{3}{4}$	32	1 $\frac{3}{8}$	97
LS5	LS*	15	24 $\frac{5}{8}$	1 $\frac{3}{4}$	20	1 $\frac{1}{8}$	95
LS7	LS*	15	36 $\frac{5}{8}$	1 $\frac{3}{4}$	32	1 $\frac{1}{8}$	100
H2	H	8	24 $\frac{5}{8}$	1 $\frac{1}{2}$	20	1	48
H5	H	15	24 $\frac{5}{8}$	1 $\frac{3}{4}$	20	1 $\frac{3}{8}$	72
H7	H	15	36 $\frac{5}{8}$	1 $\frac{3}{4}$	32	1 $\frac{3}{8}$	86
L9	L	20	24	2	17	1 $\frac{5}{8}$	98
L10	L	20	30	2	23	1 $\frac{5}{8}$	104
L11	L	20	36	2	29	1 $\frac{5}{8}$	115
LS9	LS*	20	24	2	17	1 $\frac{5}{8}$	115
LS10	LS*	20	30	2	23	1 $\frac{5}{8}$	122
LS11	LS*	20	36	2	29	1 $\frac{5}{8}$	126
ER10	ER	20	18	2	14	1 $\frac{5}{8}$	57
ER20	ER	20	24	2	20	1 $\frac{5}{8}$	66
ER30	ER	20	30	2	26	1 $\frac{5}{8}$	74
ER40	ER	20	42	2	38	1 $\frac{5}{8}$	92

\* Shackles should be  $\frac{1}{16}$ " smaller than I.D. of eye.

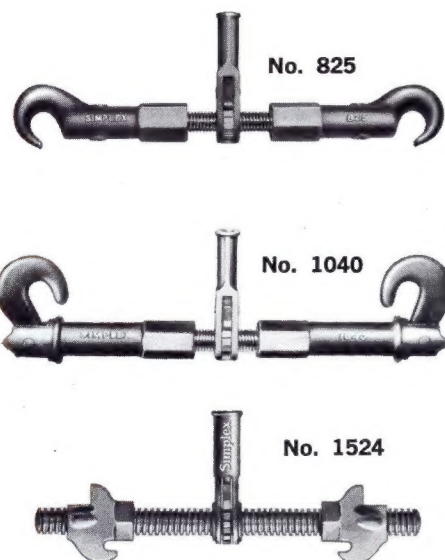
## PUSH-AND-PULL JACK--CRAMER TYPE



For all railroad and highway trestle work involving wood piling. Ruggedly built. Machine V-edged nut teeth protrusions give secure grip for pushing. Lugs firmly hold chain for pulling. Precision cut Acme-threaded screws.

Jack No.	Diam. Screw Inches	Capacity Tons	Length Inches	Push Operating Lengths--Inches		Pull Operating Lengths--Inches		Weight Lbs.
				Min.	Max.	Min.	Max.	
5	1 $\frac{3}{4}$	12	11	11	17	11	18	28
6	1 $\frac{3}{4}$	12	18	18	30	18	31	36

Other lengths available on special order.



## 5 MODELS--8 AND 10 TONS CAPACITY

825 pulls structural members together. For bridge, piling and dock work, shipbuilding or general wrecking.

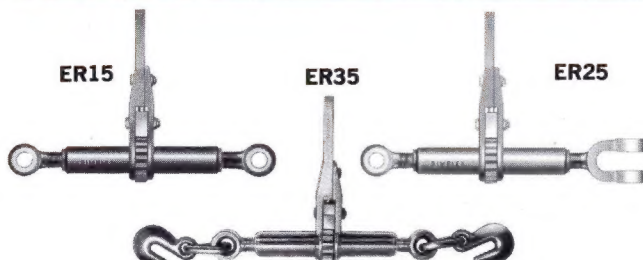
1040 pulls together or pushes apart. End hooks move in 180° arc.

1524, 1528, 1536 used for bridges, tanks, forms; pushing apart or pulling together; straightening axles, piling, guard rails, spreading or drawing in car sills. Chains with hooks and pipe sleeves add versatility.

Jack No.	Capacity Tons	Diameter of Screw Inches	Length Closed Inches	Operating Travel Inches	Weight Lbs.
825	8	1 $\frac{1}{2}$	25	12	36
1040	10	1 $\frac{3}{4}$	40	19	70
1524	10	2	24	18	43
1528	10	2	28	22	46
1536	10	2	36	30	52

Deduction will be made if Lever is not required.

## LOAD BINDERS--RATCHET TYPE



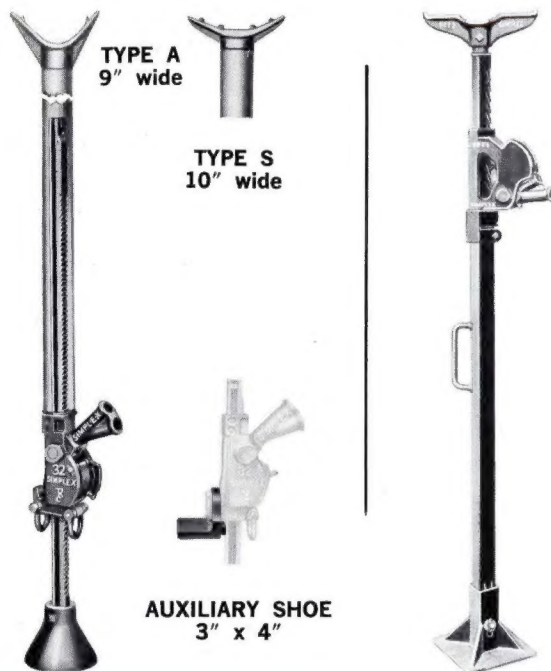
Easy operation. Complete safety when tightening or loosening. No "kick-backs". "Cheater" unnecessary. Turnbuckle principle provides wide range of uses other than load binding. Malleable ratchet with spring-actuated pawl. Machine-cut Acme thread screws. [For heavy duty units see type "H" Steamboat Ratchet Jacks above.]

Jack No.	Type	Sustaining Capacity Tons	Barrel Length Inches	Diameter of Screw Inches	Travel Inches	I. D. of Eye Inches	Weight Lbs.
ER15	Eye Ends	5	9 $\frac{3}{4}$	1	7	1 $\frac{5}{8}$	9 $\frac{1}{2}$
ER25	Eye & Clevis Ends	5	9 $\frac{3}{4}$	1	6 $\frac{1}{4}$	1 $\frac{5}{8}$	9 $\frac{1}{2}$
ER35	Grab Hook Ends	4	9 $\frac{3}{4}$	1	7	1 $\frac{5}{8}$	12



# SIMPLEX MINE TIMBER JACKS

**ratchet lowering / LEVER TYPE**



32

9225  
A9225

FOR: putting up cross timbers and steel beams; straightening steel mine cars; as a temporary prop in connection with loading equipment; for pulling up and removing slack in power cable; pulling and pushing conveyor lines; controlling the tail piece.

## SINGLE ACTING -- No. 32

Base and tubing are removed for pulling. Clevis and chain are attached at end of rack bar to anchor jack. Chain on object to be pulled is attached to the lug on jack housing. Equipped with one of two types of heads as shown on 4-foot tubing; 5-foot steel lever bar, tapered and heat-treated; and auxiliary shoe 3" x 4". Chain furnished at extra charge.

Jack No.	Capacity Tons	Height Inches	Lift Inches	Weight with head—Lbs.
32	5	64	29	49

Specify type of head when ordering.

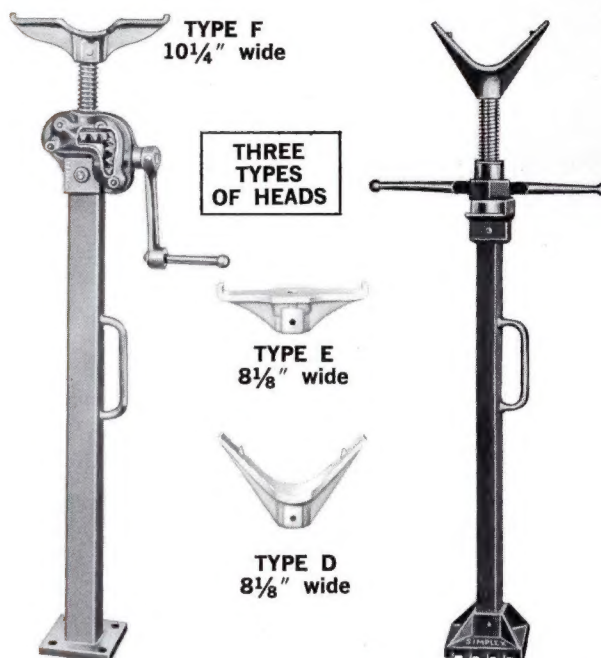
## DOUBLE ACTING -- Nos. 9225, A9225

9225 has double acting mechanism which lifts or lowers on both up and down stroke. Operates directly on the tubing, eliminating rack bar weight. Convenient carrying handle. A9225 has aluminum alloy housing and base. Sustaining capacity, 4 tons.

Min. Height Inches	Max. Height Inches	Lift Inches	Weight—Lbs.	
			9225	A9225
39	59	20	48	29
45	71	26	50	31
57	95	38	55	36
69	107	38	58	39

Specify head type and minimum height when ordering. Head types available are same as furnished with No. 642.

**geared screw / AND PLAIN SCREW TYPES**



642  
geared screw

139A  
plain screw

FOR: safe and economical cross-timbering with wood or steel beams or for use as a safety prop under doubtful roof conditions.

The crank of the No. 642 doubles the speed as compared to conventional screw type jacks, and the rotating heads permit closer positioning to any vertical setting or rib (Bevel Gear Guard not illustrated). Safe, powerful, rugged and light. Also serves for renewing mine locomotive brasses when over a pit. Painted aluminum.

Sustaining Capacity—Tons		Minimum Height	Maximum Height	Weight—Lbs.	
No. 642*	No. 139A			No. 642	No. 139A
6	5	6'6"	9'6"	62	62
6	5	5'6"	8'6"	59	59
6	5	4'6"	7'6"	56	57
6	5	4'0"	6'6"	51	55
6	5	3'6"	5'6"	47	50

These jacks are furnished with one of the three different heads or forks as illustrated: viz: Type "D," "E" or "F."

In ordering, specify the number of Jack, size and type of fork or head.

\*Lifting capacity, 1000 lbs. NOTE: Drop handle optional on No. 139A.

## BELT TENSIONING JACK -- No. 327



For taking up slack on conveyor belts and controlling the tail piece (2 required). Also for stretching heavy cable and trolley wire, pulling mine posts and crib blocks. Recovers rails from under falls. Speed trigger for instant release of slack when jack is not under load.

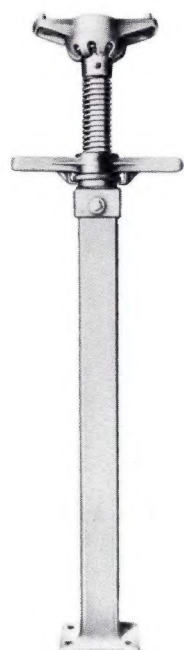
Jack No.	Capacity Tons	Travel Inches	Weight Lbs.
327	5	45	50

Equipment includes 4' steel lever and 3 feet of 7/16" BBB swivel tail chain as illustrated. Longer length chain available at additional cost.

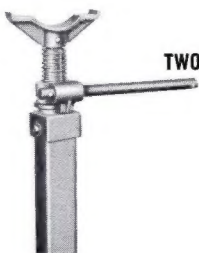


# SIMPLEX MINE ROOF JACKS

plain screw type / 8 AND 16 TONS CAPACITIES



M8  
M16

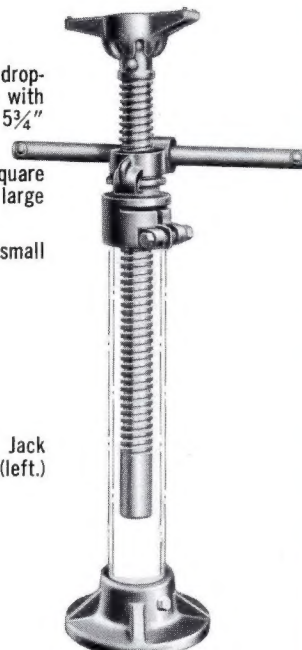


## THREE HEAD TYPES

1. (Left) Type FS — Steel drop-forged flat swivel, for use with wooden cap pieces. Width 5 $\frac{3}{4}$ " for M8; 7 $\frac{1}{8}$ " for M16.
2. Type C—6 $\frac{1}{4}$ " wide, for square and round timbers and large steel beams.
3. Type FF—6 $\frac{1}{4}$ " wide, for small H-beams and rails.

## TWO TYPES OF HANDLES

Lever Nut, (shown on Jack above)—or Slide Handle (left.)



M9  
M17



M279

Heavy duty. Easily and quickly set in place where tender draw slate or other soft tops present hazards. Loading machines and conveyors can work in less space; with better protection at the working face. Used in conjunction with roof bolting. [Painted aluminum.]

## specifications

M8—8 tons sustaining capacity—1 $\frac{1}{2}$ " diameter heat treated screws—2" square tubing. M16—16 tons sustaining capacity—1 $\frac{7}{8}$ " diameter heat treated screws—2 $\frac{1}{2}$ " square tubing.

Min. Ht. Closed—Inches	Max. Ht. Open—Inches	Weight—Lbs. M8	Weight—Lbs. M16
30	45	25	44
36	51	26	46
42	57	28	48
48	63	29	54
54	69	30	56
60	75	32	58
66	81	34	60
72	87	36	62

Specify minimum height, head and handle type.

## FITTINGS FOR ROUND PIPE--Nos. M9, M17

By purchasing the screw assembly and base, these jacks can be universally used in mines having coal seams of varying height simply by changing the length of pipe.

M9—8 tons sustaining capacity—1 $\frac{1}{2}$ " diameter, heat-treated screw for use with 2" standard round pipe.

M17—16 tons sustaining capacity — 1 $\frac{7}{8}$ " diameter heat-treated screw for use with 2" extra-heavy round pipe.

To attach, drill pipe 1 $\frac{3}{8}$ " from each end with 1 $\frac{1}{32}$ " drill. Travel 15 inches. Specify Lever-nut or Slide handle and type FS, C or FF head, (shown with M8, M16 above).

Jack No.	Weight—Lbs. (Less Pipe)	Capacity Tons
M9	25	8
M17	37	16

## TRIP POST JACK -- No. M279

Safe, new easy way to recover roof bolts. High strength aluminum column and castings. Two men can recover 350 bolts per day.

Used as follows... Place a jack alongside each of the first row of bolts closest to the face. Raise to the roof to provide temporary support. Remove bolts by hand or pneumatic wrench. Stand 25' or more away and pull on rope attached to the jack trip lever which collapses the jack. Move jack to position under the next row of bolts and proceed as previously described. [Also used as a temporary safety post and for all recoveries.] Sustaining capacity 5 tons.

Min. Height Inches	Max. Height Inches	Travel Inches	Weight Lbs.
48	72	24	34
60	84	24	36
72	96	24	38
84	108	24	40

OTHER HEIGHTS  
AVAILABLE





# SIMPLEX JACKS

RE-MO-TROL JENNY  
UTIL-A-TOOL ROL-TOE

## TEMPLETON, KENLY and COMPANY

general office and plant

GARDNER ROAD  
BROADVIEW, Illinois (Chicago Suburb)

telephones:

LOCAL—AUSTIN 7-0694  
LONG DISTANCE—Fillmore 3-0880

cable address:

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SIMPLEX JACKS ARE STOCKED AND SOLD BY SELECTED INDUSTRIAL, WHOLESALE HARDWARE, CONTRACTORS, MINE, OIL FIELD, MARINE, ELECTRICAL AND UTILITY EQUIPMENT DISTRIBUTORS, AND RAILROAD REPRESENTATIVES THROUGHOUT THE WORLD.

Authorized Repair Service Stations are established in principal trading areas.  
For Railroad Representatives see the "Pocket List of Railroad Officials".

While we recommend complete review of this Catalog, we call attention to the following suggestions for jacks for specific industry use.

INDUSTRY	JACK TYPES	PAGES
Construction	Ball-Bearing Screw Jacks, Steamboat Ratchets, Trench and Timber Braces.	11M 10M, 13M
Prestressing or Post-Tensioning Concrete	Self-contained or Remote-Controlled Hydraulic Units	3, 4, 5, 6 in Hydraulic Catalog No. 60
Mining	Mining Jacks Ratchet Lowering Jacks	14M, 15M 2M, 3M
Oil Fields	310A Emergency Jack and 2029 Riggers' Jack  Self-Contained and Remote- Controlled Hydraulic Units	3M  2, 3, 4, 5, 6 in Hydraulic Catalog No. 60
Utilities	Reel and Pole Pullers, Pipe Pushers Rol-Toe Hydraulic Jacks	4M, 5M  3, in Hydraulic Catalog No. 60

INDUSTRY	JACK TYPES	PAGES
Railroads	Bridge and Building	8M, 9M, 13M (see also Hydraulic Catalog No. 60)
	Maintenance of Way	6M, 7M
	Mechanical Dept 22 and A1022 Coupler Jacks, 29 and 2029 Empty Car Jacks, Geared Jacks  Journal, Car Siding and Flooring, and Traversing Jacks	2M, 3M  8M, 9M
Shipbuilding	Standard Speed Jacks Steamboat Ratchets and Push-and-Pull Jacks Stern Tube Pullers, Hydraulic	8M  12M, 13M 3, in Hyd. Cat. No. 60 (see entire Catalog)
Trucking	Load Binders Standard Hydraulic Jacks Bumper and Service Jacks	13M 2, 11, 12, in Hydraulic Catalog No. 60

